KEYSTONE | SINCE 1945 | LIGHT MADE EASY®

ADVANTA

POWER SELECT
COLOR SELECT

KT-RDLED18PS-6A-8CSE-VDIM
6" RECESSED DOWNLIGHT

DESCRIPTION
6" Recessed Downlight **|** Power Select Technology **|**
Color Select Technology **|**
Internal Driver and Integral Whip

APPLICATION
Ideal for hospitality, retail, office, and other retrofit
and new construction applications

ENERGY STAR

ETL LISTED — Intertek

ETL CLASSIFIED — Intertek

RoHS Compliant

TRUSTED WARRANTY — NLB

10 YEAR LIMITED WARRANTY

PRODUCT FEATURES
- Keystone Power Select and Color Select technologies offer SKU reduction and allow for easy, on-the-job adjustments
- Designed with integral whip to connect directly to a junction box; Ideal for installation into existing CFL pin-based fixture infrastructure
- Integral driver eliminates the need for a traditional multi-piece fixture setup
- Ideal for new construction, remodel, and retrofit applications
- Smooth reflector trim offers clean, modern appearance
- Diffused lens reduces glare
- Interchangeable trims available in matte black, brushed nickel, and bronze
- Powered by Keystone 0–10V dimming LED driver; 10–100% dimming

- Ambient operating temperature: −20ºC/−4ºF to 40ºC/104ºF
- Suitable for use in wet locations
- Airtight and Type IC-rated
- Power factor: >0.90
- THD: <20%
- LED chip lifetime: L70 >80,000 hrs @ 25ºC/77ºF ambient fixture temp
- FCC Part 15, Subpart B, Class B
- CEC Compliant Flicker Rate (CEC JA10 std.)

PERFORMANCE SPECIFICATIONS

Catalog Number	Input Voltage	Wattage (Selectable)	CCT (Selectable)*	Lumen Output	Efficacy	CRI	Power Factor	Lifetime
KT-RDLED18PS-6A-8CSE-VDIM	120–277V	18.5W	3000K	1800	97 lm/W	>80	>0.9	50,000 hrs
			3500K	1850	100 lm/W			
			4000K	1800	97 lm/W			
		13W	3000K	1250	96 lm/W			
			3500K	1300	100 lm/W			
			4000K	1250	96 lm/W			
		9W	3000K	850	94 lm/W			
			3500K	900	100 lm/W			
			4000K	850	94 lm/W			

*   Preset to highest CCT: 4000K
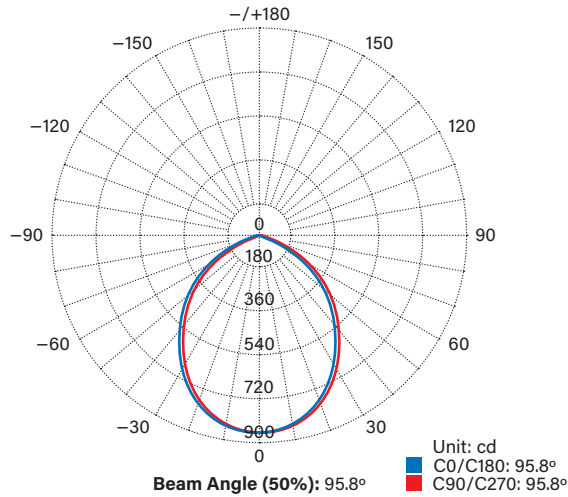   Color Uniformity: CCT (Correlated Color Temperature) range as per guidelines outlined in ANSI C78.377-2017
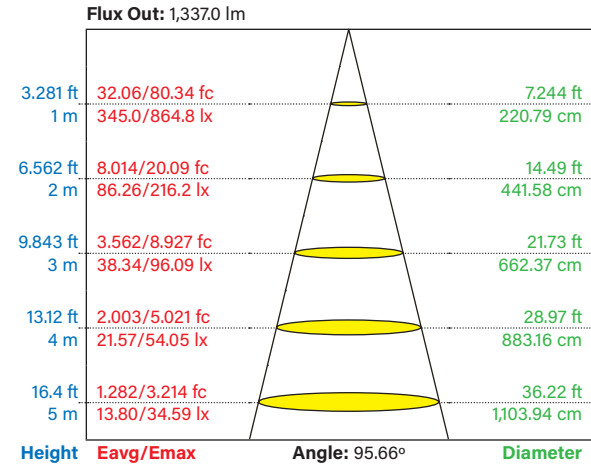
KEYSTONE | ADVANTA | POWER SELECT / COLOR SELECT

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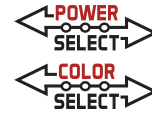
KT-RDLED18PS-6A-8CSE-VDIM
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PHOTOMETRIC SPECIFICATIONS*

POLAR CANDELA DISTRIBUTION

Unit: cd
C0/C180: 95.8º
C90/C270: 95.8º

Beam Angle (50%): 95.8º

* Tested at 18.5W and 3000K

LUX DISTANCE CURVE

Flux Out: 1,337.0 lm

Height	Eavg/Emax		Diameter
3.281 ft	32.06/80.34 fc		7.244 ft
1 m	345.0/864.8 lx		220.79 cm
6.562 ft	8.014/20.09 fc		14.49 ft
2 m	86.26/216.2 lx		441.58 cm
9.843 ft	3.562/8.927 fc		21.73 ft
3 m	38.34/96.09 lx		662.37 cm
13.12 ft	2.003/5.021 fc		28.97 ft
4 m	21.57/54.05 lx		883.16 cm
16.4 ft	1.282/3.214 fc		36.22 ft
5 m	13.80/34.59 lx		1,103.94 cm

Angle: 95.66º
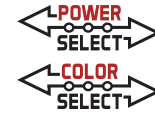
Curves show illuminated area and average illumination when lamp is at various distances.

PHYSICAL SPECIFICATIONS

26.4"
4.44"
Ø 5.88"
Ø 8.44"

Catalog Number	Cut-Out (Min to Max)
KT-RDLED18PS-6A-8CSE-VDIM	Ø 6.13" to Ø 7.19"

Keystone Technologies ▪ Philadelphia, PA ▪ Phone (800) 464-2680 ▪ **www.keystonetech.com**

Specifications subject to change. Last revised on 02.15.24
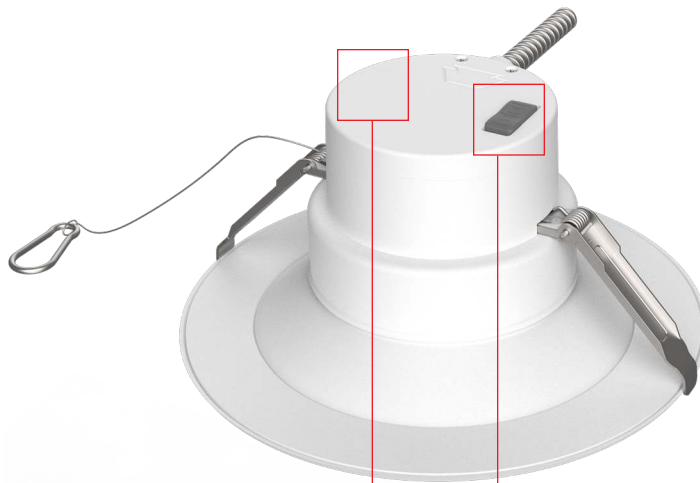
KT-RDLED18PS-6A-8CSE-VDIM
6" RECESSED DOWNLIGHT

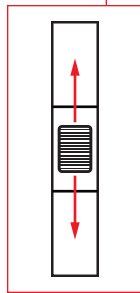## POWER SELECT (WATTAGE) AND COLOR SELECT (CCT) ADJUSTMENT

This fixture is equipped with field-adjustable Keystone Power Select and Color Select technology.

1. Ensure power is off to the fixture.
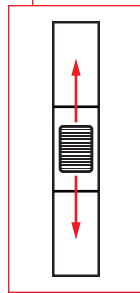2. Adjust dip switches to desired settings.

COLOR SELECT ADJUSTMENT SWITCH

Set dip switch to adjust CCT between 3000K, 3500K, and 4000K.
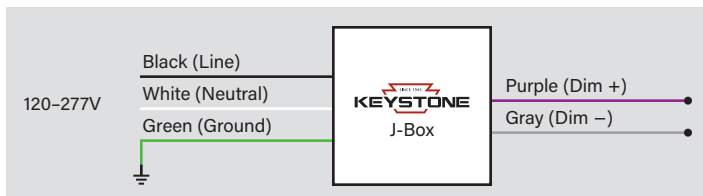Fixture comes preset at 4000K.

POWER SELECT ADJUSTMENT SWITCH

Set dip switch to adjust wattage between 9W, 13W, and 18.5W.
Fixture comes preset at 18.5W.

WIRING DIAGRAM

120–277V

Black (Line)
White (Neutral)
Green (Ground)

KEYSTONE
J-Box

Purple (Dim +)
Gray (Dim −)

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INSTALLATION INSTRUCTIONS

RETROFIT INSTALLATION

1. **Shut off power at the source of the fixture housing into which you are installing fixture.**

   Remove existing trim and CFL or incandescent bulb.

   Note: Follow all federal and local regulations when disposing of lamps and removed components.

2. Measure ceiling opening to ensure that the edge of the luminaire will cover the entire opening and still sit firmly in the ceiling (see Physical Specifications on page 2).

3. Select desired Wattage and CCT using adjustment switches on fixture (see Power Select (Wattage) and Color Select (CCT) Adjustment on page 3).
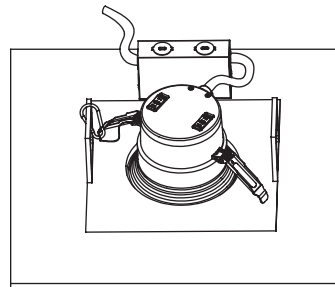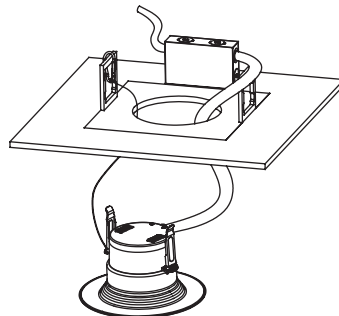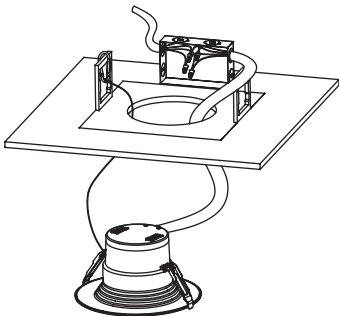
4. Attach carabiner safety clip to the existing fixture housing.
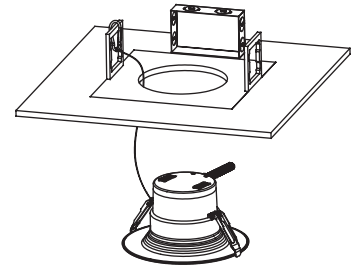
5. Insert lamp conduit into J-box and wire to power source (see Wiring Diagram on page 3). Reattach J-box cover when done.

6. Squeeze the two housing clips so they are in an upright position and then insert lamp into housing.

7. Once lamp is inside housing, release housing clips and continue to push lamp into housing until securely fixed and flush with ceiling. Restore power.

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## INSTALLATION INSTRUCTIONS (continued)

NEW-CONSTRUCTION INSTALLATION*

1. **Shut off power at the source of the fixture housing into which you are installing fixture.**

2. Create ceiling opening to ensure that the edge of the luminaire will cover the entire opening and still sit firmly in the ceiling (see Physical Specifications on page 2).

3. Select desired Wattage and CCT using adjustment switches on fixture (see Power Select (Wattage) and Color Select (CCT) Adjustment on page 3).

**4.** Attach carabiner safety clip to secure location in ceiling.
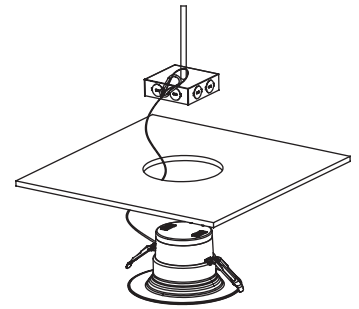
5. Insert lamp conduit into J-box and wire to power source (see Wiring Diagram on page 3). Reattach J-box cover when done.

6. Squeeze the two housing clips so they are in an upright position and then insert lamp into opening.

7. Once lamp is inside opening, release housing clips and continue to push lamp into opening until securely fixed and flush with ceiling. Restore power.
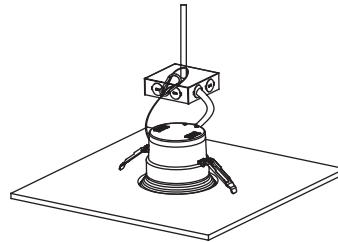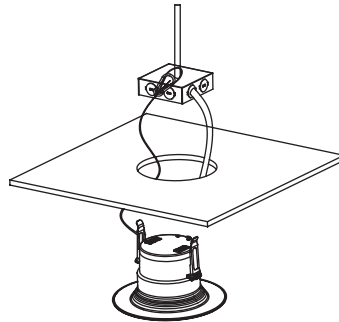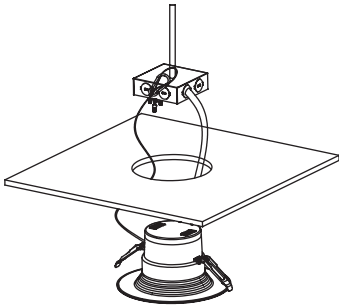
* Keystone offers optional New Construction Plate (KT-RDLED-PLATE-1) for both new joist and T-grid installations. See Optional Accessories (sold separately) on page 6.
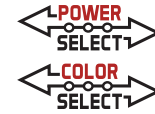
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OPTIONAL ACCESSORIES (sold separately)

INTERCHANGEABLE TRIM

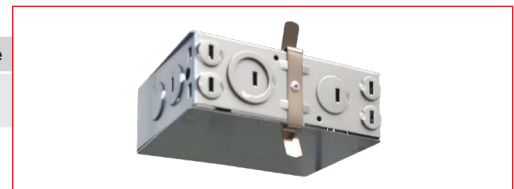| Catalog Number	Description	UPC	Easy Code
KT-RDLED-6A-MB-TRIM	6" Interchangeable trim for 6" recessed downlights; Matte black	843654137155	TCP-85
KT-RDLED-6A-BN-TRIM	6" Interchangeable trim for 6" recessed downlights; Brushed nickel	843654137186	CZZ-70
KT-RDLED-6A-BR-TRIM	6" Interchangeable trim for 6" recessed downlights; Bronze	843654137216	CUN-05

Matte Black   Brushed Nickel   Bronze
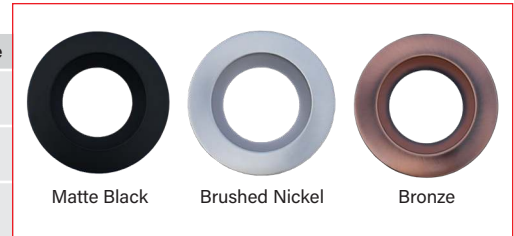
GOOF RING

Catalog Number	Description	UPC	Easy Code
KT-RDLED-6A-GOOF	6" Goof ring for 6" recessed downlights; 10.51" outer diameter	843654137247	LFJ-16
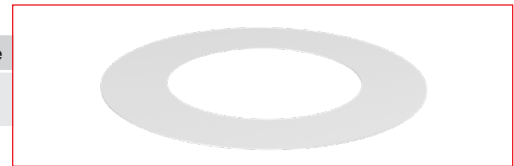
JUNCTION BOX

Catalog Number	Description	UPC	Easy Code
KT-RDLED-JBOX-1-KIT	Junction box for recessed downlights	843654137278	HJA-70

NEW-CONSTRUCTION PLATE

Catalog Number	Description	UPC	Easy Code
KT-RDLED-PLATE-1	New-construction plate for recessed downlights	843654137285	BMS-81
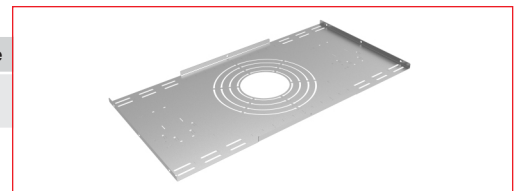
EMERGENCY PACK

Catalog Number	Description	UPC	Easy Code
KT-EMRG-LED-12-1200-AC / DF	LED Emergency Backup, 12W - 1200 Lumen Constant Power Design. 120-277V Input. Dual Flex Cable Design. Installs on Primary Side of AC Powered LED load.	843654139890	MPM-43

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ORDERING INFORMATION

Catalog Number	Pack Qty.	UPC	Easy Code
KT-RDLED18PS-6A-8CSE-VDIM	1	843654137056	NDO-70

CATALOG NUMBER BREAKDOWN

KT-RDLED18PS-6A-8CSE-VDIM

1   2   3   4   5   6   7   8   9   10   11

1 **Keystone Technologies**
2 **Fixture Type**
3 **LED Technology**
4 **Maximum Wattage**
5 **Power Select Technology**
6 **Size**
7 **Style/Design Designation**
8 **CRI**
9 **Color Select Technology**
10 **Color Select Designation**
11 **Dimming**

2 Fixture Type

RD	Recessed Downlight

6 Size

6	6" Nominal

7 Style/Design Designation

A	Series A

8 CRI

8	80

10 Color Select Designation

E	3000K, 3500K, 4000K

11 Dimming

VDIM	0–10V Dimming